

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

O P T E  
JUL 30 2001  
CITATION  
PATENT & TRADEMARK OFFICE

Docket Number (Optional)		Application Number
DD-023-1-US-01		09/843,005
Applicant(s)		Middlestadt et al.
Filing Date	04/26/2001	Group Art Unit 1734 <del>NA</del>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
llg		4,120,034	10/10/78	Fisk et al.	364	518	
llg		4,181,558	01/01/80	Neubronner	156	355	
llg		4,332,635	06/01/82	Holbrook et al.	156	256	
llg		4,795,510	01/03/89	Wittrock et al.	156	64	
llg		4,925,521	05/15/90	Asbury et al.	156	517	
llg		5,021,111	06/04/91	Swenson et al.	156	264	
llg		5,415,716	05/16/95	Kendall	156	254	
llg		6,007,660	12/28/99	Forkert	156	256	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

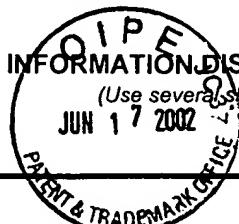

EXAMINER		DATE CONSIDERED
	Linda M. Hay	1-2403

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small> <small>JUN 11 2002</small>				ATTY DOCKET NO.	SERIAL NO.		
				DD-023-US-01	09/843,005		
				Scott K. Middelstadt et al.			
				FILING	GROUP		
				04/26/2001	Art Unit <del>1734</del> 1734		
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>lly</i>	2,987,108	06/06/61	Kilmartin	156	504		
<i>lly</i>	3,939,032	02/17/76	Taitel et al.	156	505		
<i>lly</i>	4,106,974	08/15/78	Hirsch	156	504		
<i>lly</i>	4,120,739	10/17/78	Peeters et al.	156	506		
<i>lly</i>	4,157,934	06/12/79	Ryan et al.	156	504		
<i>lly</i>	4,190,483	02/26/80	Ryan et al.	156	504		
<i>lly</i>	4,450,039	05/22/84	Salvucci et al.	156	504		
<i>lly</i>	4,481,053	11/06/84	Tokuno et al.	156	157		
<i>lly</i>	4,589,943	05/20/86	Kimball et al.	156	256		
<i>lly</i>	4,720,320	01/19/88	Niemi	156	504		
<i>lly</i>	4,668,328	05/26/87	Kyytsonen	156	502		
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
<b>EXAMINER</b> <i>Linda L. Shay</i>				<b>DATE CONSIDERED</b> <i>1-24-03</i>			
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			Scott K. Middelstadt et al.		FILING 04/26/2001		GROUP ArtUnit <del>111</del> 1734
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>ella</i>	4,772,489	02/02/88	Wommer	242	58,4		
<i>old</i>	5,501,763	03/26/96	Ueda et al.	156	504		
<i>ella</i>	6,013,148	01/11/00	Bluemle	156	159		
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
EXAMINER <i>Linda L May</i>		DATE CONSIDERED <i>1-24-03 170</i>					
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*RECEIVED*  
JUN 18 2002  
TO



INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

JUN 17 2002

ATTY DOCKET NO.  
DD-023-1-US-01

SERIAL NO.  
09/843,005

Scott K. Middelstadt et al.

FILING

04/26/2001

GROUP

Art Unit ~~1734~~ 1734

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
llg	3,886,033	05/27/75	MacDonald et al.	156	522	
llg	4,405,066	09/20/83	Roccaforte	225	43	RECEIVED
llg	4,506,816	03/26/85	Roccaforte	225	74	JUN 21 2002
llg	4,580,709	04/08/86	Roccaforte	225	43	TC 1700
llg	4,917,327	04/17/90	Asbury et al.	242	156	
llg	5,029,768	07/09/91	Asbury et al.	242	58.1	
llg	5,078,311	01/07/92	Taguchi et al.	225	43	
llg	5,573,626	11/12/96	Rossini et al.	156	361	
llg	5,624,526	04/29/97	Perecman et al.	156	361	
llg	5,692,699	12/02/97	Weirauch et al.	242	556.1	
llg	5,775,629	07/07/98	Cyr	242	551	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
llg	EP 0 776 848 A2	11/29/95	Europe				
llg	JP 8-309890	11/26/96	Japan			Abstract	
llg	GB 2 315 041	01/21/98	United Kingdom				
llg	WO 96/35574	11/14/96	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

Linda M. May

DATE CONSIDERED

1-24-03

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				Scott K. Middelstadt et al.		FILING 04/26/2001	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
elo		5,839,634	11/24/98	Pollard et al.	225	39	
elo		5,913,991	06/22/99	Kubota et al.	156	64	
elo		5,947,360	09/07/99	Frank	225	RECEIVED	
elo		6,173,876	01/16/01	Sano et al.	225	JUN 23 2002	
					TC	1700	
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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**INFORMATION DISCLOSURE  
STATEMENT**

**BY APPLICANT**

Docket: DD-023-1-US-01

App: 09/843,005

Applicant: Middelstadt et al.

Filed: April 26, 2001

Art Unit: 1734

**U.S. PATENT DOCUMENTS**

Init.*	Number	Date	Name	Class	Sub	Filed
llg	3,618,483	09 Nov 1971	Helm	493	345	
llg	3,660,208	02 May 1972	Hubbard	156	571	RECEIVED
llg	3,957,570	18 May 1796	Helm	156	579	2002
llg	4,364,787	21 Dec 1982	Radzins	156	164	
llg	5,224,405	06 July 1993	Pohjola	83	28	
llg	6,172,698	09 Jan 2001	Iwata et al.	347	171	

**FOREIGN PATENT DOCUMENTS**

	Number	Date	Country	Class	Sub	
llg	WO 00/15729	23 Mar 2000	WIPO/PCT			

**OTHER DOCUMENTS**


EXAMINER:

*Linda L Gray*

DATE

*1-24-03*

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